

C a r R a c i n g

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程式

| 說明

● 參數調整說明

```
@@ -145,10 +140,10 @@
145 140
146 141 GAMMA=0.99
147 142 EPOCH= 8 # beter than 10
148      -MAX_SIZE = 2000 ## CUDA out of mem for max_size=10000
      143 +MAX_SIZE = 2600 ## CUDA out of mem for max_size=10000
149 144 BATCH=128
150 145 EPS=0.1
151      -LEARNING_RATE = 0.001 # bettr than 0.005 or 0.002
      146 +LEARNING_RATE = 0.0001 # bettr than 0.005 or 0.002
152 147
153 148 class Agent():
154 149     """ Agent for training """
```

程式

| 說明

● 參數調整說明

```
@@ -406,7 +401,7 @@
406 401
407 402 env_wrap = Wrapper(env)
408 403
409     -NUM_EPISODES = 300
404+NUM_EPISODES = 1000000
410 405
411 406 scores, avg_scores = ppo_train(NUM_EPISODES)
412 407 # Save latest model. We'll use it for testing
```

程式 | 說明

- 參數調整說明

- MAX_SIZE=2600

提高訓練時所使用的GPU記憶體

- NUM_EPISODES = 1000000

更多的訓練次數，直到Agent成功破關為止

- LEARNING_RATE = 0.0001

降低學習率，但要提高訓練次數才能達到加強學習的效果

Kaggle | Score

22

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163.70576

3

11d

The background features a dark navy blue field. In the center, there are three concentric circles in shades of teal, with the innermost circle being the most vibrant. Scattered around the perimeter of these circles are numerous small, light blue-outlined triangles of various sizes and orientations, some pointing towards the center and others away from it.

THANK YOU